TRIPURA PUBLIC SERVICE COMMISSION
AGARTALA

Advt. No. 11/2024

Online applications are invited from bonafide citizen of India for recruitment to the posts of Senior Informatics Officer, Group-A, Gazetted under the Department of Industries and Commerce (Information Technology) in the Pay Scale of Level-14 (Cell-1), Grade Pay Rs. 5,400/- Tripura State Pay Matrix 2018 (subject to revision by the Government from time to time).

Category wise posts are shown in the given below:

Category	Total number of posts	33% Women Reservation
UR	06	02
SC	02	Nil
ST	04	02
Total	**12** Nos.(Including 01 No. of PH post)	

The number of post to be filled up is subject to increase or decrease following requisition of the Department.

The recruitment of PH candidate will be conducted in accordance with the existing Govt. norms. This is in pursuance of Directorate of Information Technology dated 24-10-2024.

Educational and other qualifications required for direct recruitment:

Essential:

i)Bachelor's Degree of Engineering/Technology (BE/B.Tech.) in Computer Science or IT from any recognized Institute.

Or

1st Class Degree in Master of Computer Application (MCA).

ii)At least 2 years of experience in the field of software development, Network after accruing the above degree.

iii) Desirable Qualification:-Knowledge in Bengali or Kokborok. (For assessment of desirable knowledge, 05 marks out of 30 marks assigned for interview).

To apply for the aforementioned post, the applicant must have Permanent Resident Certificate of Tripura (PRTC). This is in pursuance of GA(P&T) Department Notification dated 07-07-2023.

Age-18 to 40 years as on 17-12-2024. Upper Age limit is relaxable by 5 years in case of ST/SC/ PH / Government servants. Provided that Govt. Employees belonging to ST/SC/ PH category shall not get this relaxation over and above the general relaxation of 5 (five) years available to them.

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The last date of submission of online application is 17-12-2024 (up to 5.30 PM). The application(s) received after the closing date will not be entertained.

Syllabus & Selection Procedure:
The Selection Process consist of 2(two) successive stage:
1.Written Examination-170 marks.
2.Interview/Personality Test-30 marks.

Sl No	Written Exam		Marks	Duration
1	General Ability Test Paper-1 (MCQ)	English	15	180 Minutes (3 hours)
		General Mental Ability and Logical reasoning	15	
		GK & Current Affairs	20	
		Total	**50**	
	Job Oriented Subject Technical Paper-II	Job oriented Subjects Technical Paper-II(MCQ)	120	
2	**Viva/Interview**		30	
3	**Grand Total**		200	

a) Candidates will be called for the Personality Test in the following ratio:

No. of vacancies	No. of candidates to be called for interview cum Personality Test (Category wise)
1(one)	5(five) candidates
2(two)	8(eight) candidates
3(three)	3(three) times the number of vacancies.

Candidates scoring marks equal to that of the last candidate, so selected, for the Personality Test will also be called for Personality Test.

b) The candidates who will be found qualified in the Written Examination will be called to appear in the Interview cum Personality Test. In no case shall a candidate be called for interview cum personality test unless he/she appears in the written examination.

c) In the list of recommendation, merit position of candidates securing equal marks will be finalized as per their seniority of age. The same procedure is to be followed for preparing waiting List, if there be any.

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Further provided that, in the list of recommendation, merit position of candidates securing equal marks in aggregate and also of the same age will be decided on the basis of percentage of marks obtained in the minimum educational qualification prescribed in Recruitment Rules/ Service Rules.

d) Question paper for written examination will be of 170 marks (170 MCQ). Question will be MCQ type carrying 1(one)mark each. There will be negative marking of 0.25 marks for every wrong answer.

e) The interview cum personality test shall be to assess the personal qualities of a candidate e.g. his intellectual ability, social traits, interest in current affairs, critical power of judgment, variety and depth of interest, ability for leadership moral integrity etc.

f) The final selection will be made in order of merit and merit list will be prepared by adding the marks obtained in the written examination and Interview cum personality test. If a candidate remains absent in interview cum personality test his/her candidature will not be considered for final merit list.

(g) Ranks of the candidates are not prepared for the candidates beyond the recommendation list & wait list (if there be any).

h) Merit list will be prepared as per marks obtained by the candidates in category wise.

i) Candidates must appear before the Selection Committee for interview/Personality test.

For detailed syllabus & Selection Procedure (Annexure-I) please visit https://tpsc.tripura.gov.in

Other Important information:

1. Online Application Portal:
(a) Candidates will have to submit application through Online Application Portal only. The Commission will not entertain any hard copy application. Before submission of online application, read carefully the necessary instructions regarding filling up of online application.

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(b) Online Application Portal will be available on Commission's website from**15-11-2024 to 17-12-2024 (5.30 PM).** Before applying for the post, an applicant shall register his/her bio- data particulars through One Time Profile Registration (OTPR) on the Commission's Website viz. https://tpsc.tripura.gov.in or through the link provided in https://tpsc.tripura.gov.in.

Once applicant registers his/her particulars, a User ID is generated and sent to his/her registered mobile number and email ID. Applicants need to apply for the post using the OTPR User ID through Commission's website.

(c) Applicants should avoid submitting multiple applications. However, if due to any unavoidable circumstances, any applicant submits multiple applications then he/she must ensure that the application with latest Receipt Number is complete in all respects.

(d) In case of multiple applications, the application with latest Receipt Number shall only be entertained by the Commission and fee paid against one Receipt Number shall not be adjusted against any other Receipt Number.

2. (a) Candidates are not required to upload/submit with their respective applications any certificate in support of their claims regarding Age, Educational Qualifications, Scheduled Castes/ Scheduled Tribes etc.

(b) Applicants must be in possession of the prescribed minimum qualification(s) for the post on the closing date for submission of application as mentioned in the advertisement. Their admission at all the stages of examination for which they are admitted for the Examination will be purely provisional, subject to their satisfying the prescribed eligibility conditions. Mere issue of admission certificate to the candidate will not imply that his/her candidature has been finally cleared by the Commission. After publication of result of Written Examination, successful candidates will be asked to submit self attested copies of the relevant documents to the Reception Counter of TPSC or online within a specified time failing which the candidature of candidates will be summarily rejected. On scrutiny of documents if a candidate found ineligible as per terms and condition of the advertisement (including prescribed recruitment fees)his/ her candidature will be rejected. If employed, must apply through proper channel or attach a " No Objection Certificate" from his /her employer. If the application is not routed through proper channel, at the day of interview candidates will have to submit '**no objection' certificate**' failing which his/her candidature will not be considered for preparation of final merit list. In that no-objection certificate, it is to be clearly mentioned that your employer has 'No objection' if you are considered for recruitment to the post for which you have applied for.

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(3) Rate of Recruitment Fees:

(a) **Group-A Gazetted posts:-Rs. 400/-**(Rupees four hundred) for General Candidates and **Rs.350/-**(Rupees three hundred & fifty) only for ST/SC/ BPL card holders/Physically Handicapped Candidates.

b) Recruitment fee so deposited, is non-refundable.

c) If a candidate submits incomplete application in respect of terms & condition of the Advertisement and without requisite recruitment fee, his/her candidature will be rejected.

(4) Decision of the Commission as to the eligibility or otherwise of a candidate at any stage of the selection process shall be final.

(5) Assessment and evaluation of the answer scripts done by the Commission shall be final and shall not be open to scrutiny by any external authority.

(6) The Examination venue shall be closed 10 minutes before the Scheduled Commencement of Examination. No candidate shall be allowed entry into the examination venue after closure of entry. No functionary has any direction in this regard.

(7) Candidates are instructed to visit the Commission's website for information regarding steps of recruitment process time to time.

(8) Mobile Phone/Electronic Gadgets etc. are banned in the Campus of the Examination Premises/Interview Premises. Any Phone/Electronic Gadget found in possession of any candidate in the Examination Premises/Interview premises shall be confiscated forthwith and he/she may be debarred from appearing at the Examination/Interview and also for the Examination(S)/Interview to be conducted by the Commission in future Violation of such instruction will be dealt as per Law.

(9) Entry in the Examination hall/Interview Premises with Jacket, Coat, Pull over & this type of garments will not be allowed.

30/10/24

(S. Mog, IAS)
Secretary,
Tripura Public Service Commission.

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ANNEXURE - A

SYLLABUS & SELECTION PROCEDURE

SCHEME OF EXAMINATION FOR RECRUITMENT (DIRECT) TO THE POST OF SENIOR INFORMATICS OFFICER OF THE DIRECTORATE OF INFORMATION TECHNOLOGY UNDER DEPARTMENT OF INDUSTRIES & COMMERCE, GOVT. OF TRIPURA.

The Selection process consist of 2 (two) Successive stage

1 Written Examination
2 Interview/Personality Test

Sl.No	Written Exam		Marks	Duration
1.	General Ability Test Paper – I MCQ	English	15	180 Minutes (3 hours)
		General Mental Ability & Logical reasoning	15	
		Gk & Current Affairs	20	
		Total	50	
	Job Oriented Subject Technical Paper-II	Job Oriented Subjects Technical Paper-I MCQ	120	
2.	Viva/Interview		30	
3.	Grand Total		200	

Details of the Syllabus:-

Sl. No.	Subjects	Syllabus		Marks
1.	General Ability Test Paper	English	English Composition will cover Synonyms, Antonyms, use of common Phrase & Idioms., use of appropriate Prepositions and Articles. Comprehension, Ordering of words in a sentence, Ordering of sentences, spotting of errors, use of appropriate and qualifying words. **(OMR based MCQ Type - 15 Questions one mark each)**	15
		General Mental Ability & Logical reasoning	Logical Reasoning, Analytical Reasoning Capabilities, Quantitative and Qualitative abilities, General Aptitude **(OMR based MCQ Type - 15 Questions one mark each)**	15
		General Knowledge & Current Affairs	(i) General Knowledge with special reference to Tripura and North Eastern States (ii) Elementary knowledge of Indian History and Indian Geography. (ii) Matter of common experience and current events and problems with special reference to Tripura, India and world. **(OMR based MCQ Type & 20 Questions one mark each)**	20
			General Ability Test Paper - I	**Total Marks = 50**

2	Job Oriented Subject Technical Paper-II	**Engineering Mathematics** **Section 1: Probability and Statistics:** Random variables. Uniform, normal, exponential, Poisson and binomial distributions. Mean, median, mode and standard deviation. Conditional probability and Bayes theorem. **Computer Science and Information Technology** **Section 2: Digital Logic** Boolean algebra, Combinational and sequential circuits, Minimization, Number representations and computer arithmetic (fixed and floating point). **Section 3: Computer Organization and Architecture** Machine instructions and addressing modes, ALU, data path and control unit. Instruction pipelining, pipeline hazards. Memory hierarchy: cache, main memory and secondary storage; I/O interface (interrupt and DMA mode). **Section 4: Data Structures and Programming** Arrays, stacks, queues, linked lists, trees, binary search trees, binary heaps, graphs. Programming in C, C++, Java, Recursion. **Section 5: Algorithms** Searching, sorting, hashing. Asymptotic worst case time and space complexity. Algorithm design techniques: greedy, dynamic programming and divide and conquer. Graph traversals, minimum spanning trees, shortest paths **Section 6: Compiler Design** Lexical analysis, parsing, syntax-directed translation. Runtime environments. Intermediate code generation. Local optimisation, Data flow analyses: constant propagation, liveness analysis, common subexpression elimination. **Section 7: Operating System** System calls, processes, threads, inter process communication, concurrency and synchronization. Deadlock. CPU and I/O scheduling. Memory management and virtual memory. File systems. **Section 8: Databases** ER- model. Relational model: relational algebra, tuple calculus, SQL. Integrity constraints, normal forms. File organization, indexing (e.g., B and B+ trees). Transactions and concurrency control. **Section 9: Information Systems and Software Engineering:** Information gathering, requirement and feasibility analysis, data flow diagrams, process specifications, input/output design, process life cycle, planning and managing the project, design, coding, testing, Implementation, maintenance.	120 Marks

	Section 10: Computer Networks Concepts of layering: OSI and TCP/IP Protocol Stacks; Basics of packet, circuit and virtual circuit-switching; Data link layer: framing, error detection, Medium Access Control, Ethernet bridging, Routing protocols: shortest path, flooding, distance vector and link state routing; Fragmentation and IP addressing, IPv4, CIDR notation, Basics of IP support protocols (ARP, DHCP, ICMP), Network Address Translation (NAT); Transport layer: flow control and congestion control, UDP, TCP, sockets; Application layer protocols: DNS, SMTP, HTTP, FTP, Email. **Section 11: Web Technologies:** HTML5, CSS3, XML, basic concept of client-server computing, web server, proxy server, web application development, MVC Architecture, web services, frontend technologies. **Section 12: Cyber Security and Emerging Technologies:** Secure programming techniques, OWASP top 10 vulnerabilities, concepts on IoT, Block chain, AI. **Section 13: Cloud Technology:-** Cloud Computing, Compute, Network, Storage Management Technologies, Edge Computing. **(OMR based MCQ Type & 120 Questions one mark each)**	

i. Question paper for written examination will be of 170 marks (170 MCQ). Question will be MCQ type carrying 1(one) mark each.

ii. There will be negative marking of 0.25 mark for every wrong answer.

iii. Minimum qualification marks in MCQ test should be as per standing norms of TPSC.

iv. Accordingly, merit list of qualified candidates may be prepared considering 100 points roster as per the standing norms of Government of Tripura.

v. Each question will have 4(four) distracters. Some of the questions may have "None of these" as one of the distracters if felt necessary.

vi. Candidates must appear before the Selection Committee for interview/personality test.

vii. Final merit list will be prepared by adding both marks obtained in the written test followed by interview.

viii. Out of 30 marks allocated for interview, some marks to be allocated for Desirable Qualification as per Memorandum vide No.F.20(1)/GA(P&T)/2018 dated.02/010/2021 issued by the Govt. of Tripura.

(Kiran Gitte)
Secretary, IT
Govt. of Tripura